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NEW

BARRACUDA® 45i-125i PLASMA CUTTING SYSTEMS

COMPACT, EFFICIENT AND POWERFUL



PFC is only available in BARRACUDA® 45i

The new BARRACUDA® goes efficiently and powerfully through „thick and thin“

Mobility, maximum efficiency and excellent cutting quality are particular features of the REHM plasma cutting machines.

The new compact BARRACUDA® is available in two sizes and four performance classes.

Large power components and 100% tested quality guarantee the reliability of the BARRACUDA® in the demanding conditions found in industry and craft.





Universally applicable

- For unalloyed and high-alloy steels, aluminium, copper, brass, bronze, nickel, non-ferrous metals and all other electrically conductive metals, also with painted surfaces

Optimum cutting quality

- Achieved by precisely controlled, infinitely adjustable cutting current
- Through optimized plasma cutting torches
- With high power reserves – even at the critical end of the cut

Economically

- Immediate start of cutting, the material can be cut without prior heating
- High cutting speed with the best cutting quality
- No technical gas required, only compressed air

Mobile

- Suitable for generator use
- Compact construction
- Optimally portable on a stable handle and a lightweight with only 8.1 kg (BARRACUDA® 45i)

■ CONTROL PANEL BARRACUDA® 45i-125i

- 1 Digital display of current
- 2 Function display 2 cycle, 4 cycle, perforated sheet metal, gouging (105i/125i)
- 3 Digital display of pressure



- 4 Signal current flows
- 5 Selection button functions
- 6 Controller current selection
- 7 Compressed air test

■ POWER FACTOR CONTROLLER (PFC)

THE BENCHMARK FOR EFFICIENT WELDING



- Compliance with the new regulation EU 2019/1784
- Highest energy efficiency
- Worldwide operation
- Clean consumption out of the supply network
- Useable anywhere

You can find everything you need to know about PFC here: →

PFC is only available in BARRACUDA® 45i



TECHNICAL DATA

| | | 45i | 65i | 105i | 125i |
|---|-----------|---|--|--|---------|
| Setting range | [A] | 20-40 (20-30*) | 20-65 | 20-100 | 20-120 |
| Duty cycle (ED) at I _{max} . | [%] | 30 (35*) | 90 | 60 | |
| Fuse | [A] | 16 | | 32 | |
| Protection type | | IP 21S | | | |
| Max. power consumption | [VA] | 4,8 | 7,8 | 11 | 17,5 |
| Tension at 100 % ED | [V] | 92 (88*) | 104 | 106 | 118 |
| Current at 100 % ED | [A] | 30 (20*) | 61 | 65 | 95 |
| Power factor | [cos phi] | 0,99 | 0,65 | 0,78 | 0,7 |
| Power consumption at I _{max} . | [kVA] | 4,8 | 7,8 | 11 | 17,5 |
| Mains connection | [V] | 230 (110*) | | 400 | |
| Mains frequency | [Hz] | 50/60 | | | |
| Required generator power | [kVA] | >4,8 | >12,5 | >18,9 | >25 |
| Welding cable socket | [mm] | 13 | | | |
| Weight | [kg] | 8,1 | 26,5 | 32,1 | 32,4 |
| Dimensions LxWxH | [mm] | 490 x 150 x 290 | 740 x 260 x 484 | | |
| Item no. | | | | | |
| | | 1610045 | 1610065 | 1610105 | 1610125 |
| Included | | Earth cable 4m, torch plasma ErgoCut S65, 6 m | Earth cable 4m, torch plasma PlusCut 85, 6 m | Earth cable 4m, torch plasma PlusCut 105, 6 m | |

*Information applies to operation with 110V mains connection

CUTTING THICKNESSES BARRACUDA® 45i-125i

| Machine/ Torch | Unalloyed Steel (Fe) | | Aluminium (Al) | | Stainless steel (CrNi) | |
|---------------------------------------|----------------------|-------------|----------------|-------------|------------------------|-------------|
| | parting cut | quality cut | parting cut | quality cut | parting cut | quality cut |
| BARRACUDA® 45i ErgoCut S65 | 20 mm | 15 mm | 18 mm | 16 mm | 20 mm | 15 mm |
| BARRACUDA® 65i PlusCut 85 | 30 mm | 25 mm | 22 mm | 20 mm | 30 mm | 25 mm |
| BARRACUDA® 105i PlusCut 105 | 45 mm | 35 mm | 36 mm | 30 mm | 45 mm | 35 mm |
| BARRACUDA® 125i PlusCut 105 | 50 mm | 40 mm | 40 mm | 35 mm | 50 mm | 40 mm |

- From thin sheet to heavy plate
- Perforated sheet metal cutting: without interruption, thanks to material-oriented high-speed pilot and cutting current control.

■ CONNECTING THE PLASMA TORCHES

BARRACUDA® 45i



Euro central connection



BARRACUDA® 65i/105i/125i

With a projection of 140 mm, the TRAFIMECTOR® is one of the most compact connections on the market and enables the torch to be changed without tools.

- No tools required
- Can be operated with one hand
- The connection is designed for 160A
- The TRAFIMECTOR® is connected with maximum operator safety



Connection of the torch

Disconnect the torch

■ TORCHES AND ACCESSORIES FOR BARRACUDA® 45i



| TORCHES | Item no. |
|--|----------|
| Torch plasma ErgoCut S65 6 m | 7660860 |
| ACCESSORIES | Item no. |
| Wear part kit plasma ErgoCut S65 | 7766787 |
| Set consists of | |
| 1x plasma stand off guide EC S65 25,5 mm | |
| 1x plasma nozzle EC S65 29,0 mm | |
| 1x plasma tip EC S65 Ø1,00 60A | |
| 1x plasma swirl ring EC S65 4,6 mm | |
| 1x plasma electrode EC S65 24,8 mm | |
| Plasma circle cutting kit ErgoCut S65 | 7766790 |

■ TORCHES AND ACCESSORIES FOR BARRACUDA® 65i



| TORCHES | Item no. |
|--|----------|
| Torch plasma PlusCut 85 6 m | 7660870 |
| Torch plasma PlusCut 85 12 m | 7660871 |
| ACCESSORIES | Item no. |
| Wear part kit plasma PlusCut 85 | 7766754 |
| Set consists of | |
| 1x plasma shield PC85 24,4 mm | |
| 1x plasma nozzle PC85 34,8 mm | |
| 1x plasma tip PC85 Ø1,35 85A | |
| 1x plasma swirl ring PC85 23 mm | |
| 1x plasma electrode PC85/PC105 29,5 mm | |
| Plasma circle cutting kit PlusCut 85-105 | 7766780 |

■ TORCHES AND ACCESSORIES FOR BARRACUDA® 105i AND 125i



| TORCHES | Item no. |
|--|----------|
| Torch plasma PlusCut 105 6 m | 7660880 |
| Torch plasma PlusCut 105 12 m | 7660881 |
| ACCESSORIES | Item no. |
| Wear part kit plasma PlusCut 105 | 7766755 |
| Set consists of | |
| 1x plasma shield PC105 25,0 mm | |
| 1x plasma nozzle PC105 34,8 mm | |
| 1x plasma tip PC105 Ø1,50 | |
| 1x plasma swirl ring PC105 23 mm | |
| 1x plasma electrode PC85/PC105 29,5 mm | |
| Plasma circle cutting kit PlusCut 85-105 | 7766780 |

THE REHM PERFORMANCE PROGRAM

- REHM MIG / MAG welding machines
- REHM TIG welding machines
- REHM MMA electrode inverter
- REHM PLASMA cutting systems
- Welding accessories and consumables
- Welding fume extraction
- Technical welding advice
- Torch repairs
- Service

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